

Form PTO-1449 (modified)

Atty. Docket No.  
INRP:067USD1Serial No.  
09/941,296

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant  
Zheng Wu  
Shuyuan ZhangFiling Date:  
August 28, 2001Group:  
1645U.S. Patent Documents  
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See Page 1Other Art  
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## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub-Class	Filing Date of App.
22	A17	6,383,795	05/07/02	Carrión et al.	435	239	04/22/99
23	A18	6,689,600	02/10/04	Wu et al.	435	235.1	11/16/99

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
22	B27	WO 00/32754	06/08/00	WIPO			English

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
22	C127	Cartwright, T., <u>Animal cells as bioreactors</u> , In: Cambridge Studies in Biotechnology, Cambridge University Press, No. 11:58-63, 1994.

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EXAMINER:

*Robert Zema*

DATE CONSIDERED:

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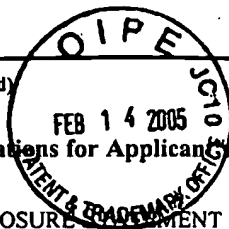
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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
RT	A15	2002/0018723	2/14/02	Mera <i>et al.</i>	417	222.2	8/03/01
RT	A16	6,168,944	1/02/01	Condon <i>et al.</i>	435	239	1/28/98

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Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
RT	B24	WO 95/06743	3/09/95	WIPO			English
RT	B25	WO 96/09399	3/28/96	WIPO			English
RT	B26	WO 00/32754	6/08/00	WIPO			English

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
RT	C126	Haruna <i>et al.</i> , "Separation of adenovirus by chromatography on DEAE-cellulose," Virology, 13:264-267, 1961.

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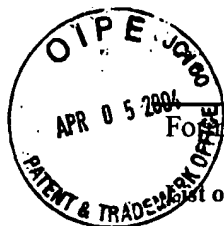
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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
R2	A5	4,352,883	10/05/82	Lim	435	178	3/28/79
	A6	4,725,547	2/16/88	Sakamoto <i>et al.</i>	435	239	8/9/85
	A7	5,607,851	3/4/97	Pellegrini <i>et al.</i>	435	236	7/18/94
	A8	5,744,304	4/28/98	Munford	435	6	5/30/95
	A9	5,837,520	11/17/98	Shabram <i>et al.</i>	435	239	3/07/95
	A10	6,143,290	11/07/00	Zhang <i>et al.</i>	424	93.2	4/07/94
	A11	6,194,210	2/27/01	Leu and Seifert	435	403	4/17/96
	A12	6,485,958	11/26/02	Blanche <i>et al.</i>	435	239	12/16/98
9	A13	6,537,793	3/25/03	Blanche <i>et al.</i>	435	239	6/14/01
R2	A14	6,586,226	7/1/03	Carrion <i>et al.</i>	435	239	11/30/01

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
R2	B13	4-9338	1/14/92	Japan			ABSTRACT
	B14	EP 0475623	3/18/92	Europe			
	B15	WO 93/25224	12/23/93	PCT			
	B16	WO 94/06910	3/31/94	PCT			
	B17	WO 95/25789	9/28/95	PCT			
	B18	WO 96/27677	09/12/96	PCT			
	B19	WO 97/04803	2/13/97	PCT			
	B20	WO 97/08298	3/06/97	PCT			
8	B21	WO 98/00524	1/08/98	PCT			
R2	B22	WO 98/26048	6/18/98	PCT			

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Form PTO-1449 (modified)		Atty. Docket No. INRP:067USD1	Serial No. 09/441,410
List of Patents and Publications for Applicant's  INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)		Applicant Zheng Wu Shuyuan Zhang	
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**Foreign Patent Documents**

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12	B23	WO 99/54441	10/28/99	PCT			

**Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
12	C30	Aboud <i>et al.</i> , "Rapid purification of extracellular and intracellular moloney murine leukemia virus," <i>Arch. Virol.</i> , 71:185-195, 1982.
	C31	Baichwal and Sugden, <i>In: Kucherlapati R, ed. Gene transfer. New York: Plenum Press, 117-148, 1986.</i>
	C32	Benvenisty and Reshef, "Direct introduction of genes into rats and expression of the genes," <i>Proc. Nat'l Acad. Sci. USA</i> , 83:9551-9555, 1986.
	C33	Berg <i>et al.</i> , "High-level expression of secreted proteins from cells adapted to serum-free suspension culture," <i>BioTechniques</i> , 14(6):972-978, 1993.
	C34	Bett, "An efficient and flexible system for construction of adenovirus vectors with insertions or deletions in early regions 1 and 3," <i>Proc. Natl. Acad. Sci. USA</i> , 91(19):8802-8806, 1994.
	C35	Bussemakers <i>et al.</i> , "Decreased expression of E-cadherin in the progression of rat prostatic cancer," <i>Cancer Res.</i> , 52:2916-2922, 1992.
	C36	Cartwright, "Fermenter design for animal cell cultures," <i>Animal Cells as Bioreactors</i> , Cambridge University Press, 58-63, 1994.
	C37	Casey <i>et al.</i> , "Growth suppression of human breast cancer cells by the introduction of a wild-type p53 gene," <i>Oncogene</i> , 6:1791-1797, 1991.
	C38	Chen and Okayama, "High-efficiency transfection of mammalian cells by plasmid DNA," <i>Mol. Cell Biol.</i> , 7:2745-2752, 1987.
	C39	Cheung <i>et al.</i> , "Cell-CAM105 isoforms with different adhesion functions are coexpressed in adult rat tissues and during liver development", <i>J. Biol. Chem.</i> , 268:6139-6146, 1993.
12	C40	Cheung <i>et al.</i> , "The cytoplasmic domain of C-CAM is required for C-CAM-mediated adhesion function: studies of a C-CAM transcript containing an unspliced intron", <i>Biochem. J.</i> , 295:427-435, 1993.

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82	C41	Coffin, "Retroviridae and their replication," <i>In: Virology</i> , Fields <i>et al.</i> (eds.), New York: Raven Press, pp. 1437-1500, 1990.
	C42	Complaint Aventis Pharmaceuticals Products Inc. and Aventis Pharma, S.A., Plaintiffs, v. Introgen Therapeutics, Inc., Defendant. Civil Action No. 01-451 from the U.S. District Court for the District of Delaware, June 29, 2001.
	C43	Coupar <i>et al.</i> , "A general method for the construction of recombinant vaccinia virus expressing multiple foreign genes," <i>Gene</i> , 68:1-10, 1988.
	C44	Crooks <i>et al.</i> , "Purification and analysis of infectious virions and native non-structural antigens from cells infected with tick-borne encephalitis virus," <i>J. Chrom.</i> , 502:59-68, 1990.
	C45	Dubensky <i>et al.</i> , "Direct transfection of viral and plasmid DNA into the liver or spleen of mice," <i>Proc. Nat. Acad. Sci. USA</i> , 81:7529-7533, 1984.
	C46	Edelman and Crossin, "Cell adhesion molecules: implications for a molecular histology," <i>Annu. Rev. Biochem.</i> , 60:155-190, 1991.
	C47	Edelman, "Cell adhesion and the molecular processes of morphogenesis," <i>Annu. Rev. Biochem.</i> , 54:135-169, 1985.
	C48	Fechheimer <i>et al.</i> , "Transfection of mammalian cells with plasmid DNA by scrape loading and sonication loading," <i>Proc. Nat'l Acad. Sci. USA</i> , 84:8463-8467, 1987.
	C49	Fraley <i>et al.</i> , "Entrapment of a bacterial plasmid in phospholipid vesicles: Potential for gene transfer," <i>Proc. Nat'l Acad. Sci. USA</i> , 76:3348-3352, 1979.
	C50	Freshney, "Animal Cell Culture: a Practical Approach," Second Edition, Oxford/New York, IRL Press, Oxford University Press, 1992.
	C51	Frixen <i>et al.</i> , "E-cadherin-mediated cell-cell adhesion prevents invasiveness of human carcinoma cells," <i>J. Cell Biol.</i> , 113:173-185, 1991.
	C52	Garnier <i>et al.</i> , "Scale-up of the adenovirus expression system for the production of recombinant protein in human 293S cells," <i>Cytotechnol.</i> , 15:145-155, 1994.
8	C53	Ghosh and Bachhawat, <i>In: Liver Diseases, Targeted Diagnosis and Therapy Using Specific Receptors and Ligands</i> , Wu G, Wu C (ed.), Marcel Dekker, New York, 87-104, 1991.
82	C54	Giancotti and Ruoslahti, "Elevated levels of the $\alpha_5\beta_1$ fibronectin receptor suppress the transformed phenotype of Chinese hamster ovary cells," <i>Cell</i> , 60:849-859, 1990.

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Exam. Init.	Ref. Des.	Citation
22	C55	Gilbert, "Adaptation of cells to serum free culture for production of adenovirus vectors and recombinant proteins," <i>Williamsburg BioProcessing Conference</i> , Nov. 18-21, 1996.
	C56	Gopal, "Gene transfer method for transient gene expression, stable transfection, and cotransfection of suspension cell cultures," <i>Mol. Cell Biol.</i> , 5:1188-1190, 1985.
	C57	Graham and Prevec, "Manipulation of adenovirus vectors," <i>In: Methods in Molecular Biology: Gene Transfer and Expression Protocols 7</i> , (Murray, Ed.), Humana Press, Clifton, NJ, 109-128, 1991.
	C58	Graham and Van Der Eb, "A new technique for the assay of infectivity of human adenovirus 5 DNA," <i>Virology</i> , 52:456-467, 1973.
	C59	Graham <i>et al.</i> , "Characteristics of a human cell line transformed by DNA from human adenovirus type 5," <i>J. Gen. Virol.</i> , 36:59-72, 1977.
	C60	Graham, "Growth of 293 Cells in Suspension Culture," <i>J. Gen. Virol.</i> , 68:937-940, 1987.
	C61	Griffiths, "Overview of cell culture systems and their scale-up," <i>In: Animal Cell Biotechnology</i> , Vol. 3, p. 179-220, (Spier and Griffiths, eds.), Academic Press, London, 1986.
	C62	Harland and Weintraub, "Translation of mammalian mRNA injected into <i>Xenopus</i> oocytes is specifically inhibited by antisense RNA," <i>J. Cell Biol.</i> , 101:1094-1099, 1985.
	C63	Hay <i>et al.</i> , "Replication of adenovirus mini-chromosomes," <i>J. Mol. Biol.</i> , 175:493-510, 1984.
	C64	Hearing and Shenk, "Functional analysis of the nucleotide sequence surrounding the cap site for adenovirus type 5 region E1A messenger RNAs," <i>J. Mol. Biol.</i> , 167:809-822, 1983.
	C65	Hearing <i>et al.</i> , "Identification of a repeated sequence element required for efficient encapsidation of the adenovirus type 5 chromosome," <i>J. Virol.</i> , 61:2555-2558, 1987.
	C66	Hermonat and Muzycska, "Use of adenoassociated virus as a mammalian DNA cloning vector: Transduction of neomycin resistance into mammalian tissue culture cells," <i>Proc. Nat'l Acad. Sci. USA</i> , 81:6466-6470, 1984.
	C67	Huyghe <i>et al.</i> , "Purification of a type 5 recombinant adenovirus encoding human p53 by column chromatography," <i>Hum. Gene Ther.</i> , 6:1403-1416, 1995.
22	C68	Jones and Shenk, "Isolation of deletion and substitution mutants of adenovirus type 5," <i>Cell</i> , 13:181-188, 1978.

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RT	C69	Kamb <i>et al.</i> , "Analysis of the p16 gene ( <i>CDKN2</i> ) as a candidate for the chromosome 9p melanoma susceptibility locus," <i>Nature Genetics</i> , 8:22-26, 1994.
	C70	Kaneda <i>et al.</i> , "Increased expression of DNA cointroduced with nuclear protein in adult rat liver," <i>Science</i> , 243:375-378, 1989.
	C71	Klein <i>et al.</i> , "High-velocity microprojectiles for delivering nucleic acids into living cells," <i>Nature</i> , 327:70-73, 1987.
	C72	Kotani, "Serum-free production of adenoviral vectors for gene therapy," Williamsburg BioProcessing Conference, Nov. 18-21, 1996.
	C73	Kraft V., Tischer I, "Cell cycle-dependent multiplication of avian adenoviruses in chicken embryo fibroblasts," <i>Arch. Virol.</i> , 57: 243-54, 1978.
	C74	Larsson and Litwin, "The growth of polio virus in human diploid fibroblasts grown with cellulose microcarriers in suspension cultures," <i>Dev. Biol. Standard.</i> , 66:385-390, 1987.
	C75	Lentfer and Conde, "A rapid and inexpensive procedure for the purification of adenovirions," <i>Archives of Virology</i> , 56:189-193, 1978.
	C76	Levrero <i>et al.</i> , "Defective and nondefective adenovirus vectors for expressing foreign genes <i>in vitro</i> and <i>in vivo</i> ," <i>Gene</i> , 101:195-202, 1991.
	C77	Lin and Guidotti, "Cloning and expression of a cDNA coding for a rat liver plasma membrane ecto-ATpase," <i>J. Biol. Chem.</i> , 264:14408-14414, 1989.
	C78	Mann <i>et al.</i> , "Construction of a retrovirus packaging mutant and its use to produce helper-free defective retrovirus," <i>Cell</i> , 33:153-159, 1983.
	C79	Matsuura <i>et al.</i> , "Altered expression of e-cadherin in gastric cancer tissues and carcinomatous fluid," <i>Brit. J. Cancer</i> , 66:1122-1130, 1992.
	C80	McGrath <i>et al.</i> , "Retrovirus purification: method that conserves envelope glycoprotein and maximizes infectivity," <i>J. Virol.</i> , 25:923-927, 1978.
	C81	Mercer, "Cell cycle regulation and the p53 tumor suppressor protein," <i>Critic. Rev. Eukar. Gene Express.</i> 2:251-263, 1992.
RT	C82	Mizrahi, "Production of human interferons - an overview," <i>Proc. Biochem.</i> , (August):9-12, 1983.

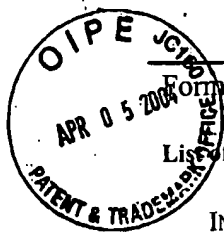
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22	C83	Montagnon, "Polio and rabies vaccines produced in continuous cell lines: a reality for vero cell line," <i>Develop. Biol. Standard.</i> , 70:27-47, 1989.
	C84	Morris <i>et al.</i> , "Serum-free production of adenoviral vectors for gene therapy," <i>Williamsburg BioProcessing Conference</i> , Nov. 18-21, 1996.
	C85	Nadeau <i>et al.</i> , <i>Biotechnology and Bioengineering</i> , 51:613-623, 1996.
	C86	Nicolas and Rubenstein, "Vectors: a survey of molecular cloning vectors and their uses," <i>In: Vectors: A Survey of Molecular Cloning Vectors and Their Uses</i> , Rodriguez and Denhardt, (eds.), Stoneham: Butterworth, 493-513, 1988.
	C87	Nicolau and Sene, "Liposome-mediated DNA transfer in eukaryotic cells," <i>Biochem. Biophys. Acta</i> , 721:185-190, 1982.
	C88	Nicolau <i>et al.</i> , "Liposomes as carriers for <i>in vivo</i> gene transfer and expression," <i>Methods Enzymol.</i> , 149:157-176, 1987.
	C89	Nilsson and Mosbach, "Immobilized animal cells," <i>Dev. Biol. Standard</i> , 66:183-193,
	C90	O'Neil and Balkovic, "Virus harvesting and affinity-based liquid chromatography," <i>Bio. Technol.</i> , 11:173-178, 1993.
	C91	Obrink, "C-CAM (cell-CAM 105) - a member of the growing immunoglobulin superfamily of cell adhesion proteins," <i>BioEssays</i> , 13:227-233, 1991.
	C92	Odin and Obrink, "Quantitative determination of the organ distribution of the cell adhesion molecule cell-CAM 105 by radioimmunoassay," <i>Exp. Cell Res.</i> , 171:1-15, 1987.
	C93	Okamoto <i>et al.</i> , "Mutations and altered expression of p16 <sup>INK4</sup> in human cancer," <i>Proc. Nat'l Acad. Sci. USA</i> , 91:11045-11049, 1994.
	C94	Orlow <i>et al.</i> , "Chromosome 9 allelic losses and microsatellite alterations in human bladder tumors," <i>Cancer Res.</i> , 54:2848-2851, 1994.
4	C95	Paskind <i>et al.</i> , "Dependence of moloney murine leukemia virus production on cell growth," <i>Virology</i> , 67:242-248, 1975.
22	C96	Payment <i>et al.</i> , <i>In: Biotechnology Current Progress</i> , ed. P.N. Cheremisinoff <i>et al.</i> , Technomic Publishing, 1991.

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**Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

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22	C97	Perrin <i>et al.</i> , "An experimental rabies vaccine produced with a new BHK-21 suspension cell culture process: use of serum-free medium and perfusion-reactor system," <i>Vaccine</i> , 13(13): 1244-1250, 1995.
	C98	Petriccioni, "Should continuous cell lines be used as substrates for biological products?" <i>Dev. Biol. Standard</i> , 66:3-12, 1985.
	C99	Phillips <i>et al.</i> , "Experience in the cultivation of mammalian cells on the 8000 1 scale," <i>In: Large Scale Mammalian Cell Culture</i> (Feder and Tolbert, eds.), Academic Press, Orlando, FL, U.S.A., 1985.
	C100	Potter <i>et al.</i> , "Enhancer-dependent expression of human k immunoglobulin genes introduced into mouse pre-B lymphocytes by electroporation," <i>Proc. Nat'l Acad. Sci. USA</i> , 81:7161-7165, 1984.
	C101	Provisional U.S. Patent Application Serial No. 60/026,667, Entitled: "METHOD FOR THE PRODUCTION OF RECOMBINANT ADENOVIRUSES," RPR File No. ST96021-U.S., Translated from the French by the Medical Documentation Service® Institute for Scientific Information® Philadelphia, Pennsylvania.
	C102	Renan, "Cancer genes: current status, future prospects, and applications in radiotherapy/ oncology," <i>Radiother. Oncol.</i> , 19:197-218, 1990.
	C103	Ridgeway, "Mammalian expression vectors," <i>In: Rodriguez RL, Denhardt DT, ed. Vectors: A survey of molecular cloning vectors and their uses.</i> Stoneham: Butterworth, pp. 467-492, 1988.
	C104	Rippe <i>et al.</i> , "DNA-mediated gene transfer into adult rat hepatocytes in primary culture," <i>Mol. Cell Biol.</i> , 10:689-695, 1990.
	C105	Roux <i>et al.</i> , "A versatile and potentially general approach to the targeting of specific cell types by retroviruses: application to the infection of human cells by means of major histocompatibility complex class I and class II antigens by mouse ecotropic murine leukemia virus-derived viruses," <i>Proc. Nat'l Acad. Sci. USA</i> , 86:9079-9083, 1989.
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PTO-1449 (modified)		Atty. Docket No. INRP:067USD1	Serial No. 09/441,410
Office of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Zheng Wu Shuyuan Zhang	
		Filing Date: August 28, 2001	Group: 1645
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Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
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	B3	WO 93/18790	9/30/93	PCT			
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	B6	WO 95/19427	7/20/95	PCT			
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